Zeolite (Eco-lite brand) Formula for Ipswich River Park, North Reading

Field dimensions: 180 ft x 314 ft

One-inch horizon: 180 ft x 315 ft x 0.083 ft = 4,706 ft^3

Zeolite applied in 2006: 15 tons

13.842 ft^3 per ton x 15 tons = 207.6 ft^3 zeolite applied.

Of the 207.6 ft^3 applied to the field, 29% (60.2 ft^3) was mixed with sand and migrated into solid tine aeration holes at two depths:
1) deep tine - 1" diameter x 7" depth x 4 cores / ft^2 = 28 in^3/ ft^2
2) shallow tine - 1/2" diameter x 2 1/2" depth x 12 cores / ft^2 = $\underline{15}$ in^3/ ft^2
= 43 in^3/ ft^2

The remaining 71% (147 ft^3) of the zeolite was applied at the surface to create a zeolite to soil percentage of 3.1% (147 ft^3/ 4,706 ft^3) in the one-inch horizon.

In 2007, 5 additional tons (69 ft^3) of zeolite were applied.

22% (15 ft^3) was migrated into the cores, using techniques similar to those in 2006.

78% (54 ft^3) was applied to the surface for a two year aggregate application of 201 ft^3 for a zeolite to soil percentage of 4.3% (201 4,706 ft^3 / 4,706 ft^3) in the 1-inch horizon.